

Architectural Thesis

T E X T

Architecture

B. S.

1909

UNIVERSITY OF ILLINOIS
LIBRARY

Class

1909

Book

Ar 2

Volume

Ja09-20M

The person charging this material is responsible for its return to the library from which it was withdrawn on or before the **Latest Date** stamped below.

Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.

UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN

BUILDING USE ONLY

SEP 30 1975

BUILDING USE ONLY

SEP 30 1975

L161—O-1096

AN IDEAL FRATERNITY HOUSE

BY

WILLIAM HENRY SCHULZKE

THESIS

For Degree of

BACHELOR OF SCIENCE

IN ARCHITECTURE

COLLEGE OF ENGINEERING

UNIVERSITY OF ILLINOIS

Presented June 1909

1909

Ar 2

UNIVERSITY OF ILLINOIS

June 1, 1909

THIS IS TO CERTIFY THAT THE THESIS PREPARED UNDER MY SUPERVISION BY

WILLIAM HENRY SCHULZKE

ENTITLED AN IDEAL FRATERNITY HOUSE

IS APPROVED BY ME AS FULFILLING THIS PART OF THE REQUIREMENTS FOR THE

DEGREE OF Bachelor of Science in Architecture

John Watrous Lease

Instructor in Charge

APPROVED:

W. Clifford Pickens

HEAD OF DEPARTMENT OF Architecture




AN IDEAL FRATERNITY HOUSE.

One of the important factors in a modern College Fraternity is the Chapter House and the part it takes in the life of a college man.

In a fraternity house it is desirable to combine the comforts of a home with the advantages and opportunities offered in a club; a place where all the men of the chapter may live together, enjoying the companionship of one another; where they may retire to their rooms to study or to the game rooms to enjoy themselves, instead of leaving the house to go to other places of entertainment. In this way the older men will have a better influence on the younger members and can train them to follow the customs and ideals of the fraternity, thereby making better fraternity and college men.

The more complete the chapter house, equipped with all conveniences, the easier it will be to keep the men at home, choosing to associate with men of their own class, rather than with the set found in so many places of entertainment.



Digitized by the Internet Archive
in 2013

http://archive.org/details/idealfraternityh00schu_0

The schedule of rooms for a fraternity club house of this kind is as follows:-

First Floor.

Reception room - 16' X 28'

Reception hall - 30' X 36'

Strangers' room- 15' X 24'

Office - 9' X 15'

Living room - 28' X 47'

Library - 23' X 28'

Billiard room - 24' X 28'

Den - 15' X 24'

Music room - 24' X 28'

Dining room - 28' X 35'

Serving pantry - 8' X 17'

Coat rooms - 8' X 19'

Toilet rooms - 8' X 8'

Vestibules - 8' X 10'

Telephone booth- 4' X 4'

Entrance porches on North, East and West.

Living Porch on the South.

Second Floor.

Study rooms

Sleeping rooms

Guest rooms

Bath rooms

Toilet rooms

Linen closets

Trunk rooms

Third Floor.

Study rooms in the West wing
Servants' rooms in the East wing
Bath rooms
Toilet rooms
Ball room
Retiring rooms
Serving room
Trunk rooms
Linen closets

Basement.

Kitchen
Pantryes
Serving room
Heater room
Fuel room
Laundry
Drying room
Chapter room
Ante rooms
Bowling alleys
Toilet rooms
Dumb waiters
Trunk lifts
Clothes chute

The house is to be built of stone, with a slate roof having copper trimmings and is to be in the French Renaissance design.

It is to contain about 10,600 square feet ground area and will cost about \$ 100,000.00

It will accommodate thirty nine men and six servants.

The lot is 220' X 240' in size and is located on the South east corner of two intersecting streets.

There will be a North and a West elevation at Scale $3/16$ inch equals one foot.

The First and Second Floor plans will be at Scale $1/8$ inch equals one foot.

The Basement and Third Floor plans will be at Scale $1/16$ inch equals one foot.

Interiors of the Living room, reception room and dining room will be shown at Scale $3/8$ inch equals one foot.

TYPES.

There are several types of Fraternity Houses.

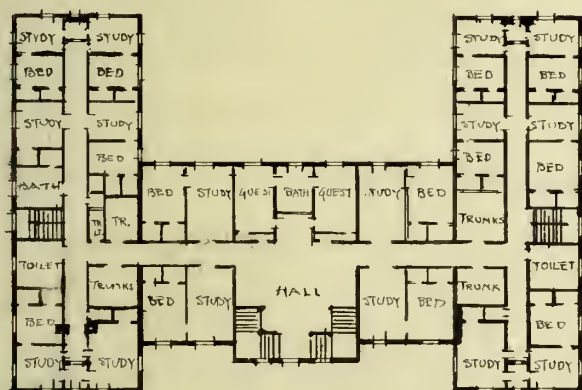
1. Those in which all the living rooms, dining rooms, and kitchen are on the first floor.
2. Living rooms on the first floor, the dining room kitchen and servants' rooms one half story down and the heater rooms and laundry in the basement.
3. Living rooms on the first floor, dining room, kitchen, servants' rooms, heater room laundry and chapter room in the basement.
4. Living and dining rooms on the first floor, kitchen, heater room, laundry and chapter room in the basement and the servants'

rooms on the third floor.

Then also, the study rooms and sleeping rooms may be arranged:-

1. En suite - Study with bed room adjoining.
2. Study rooms on one floor, the dormitory on another, where all may sleep in the same room.

The two systems may best be shown by the accompanying illustrations.



Second Floor



Third Floor

Scheme # 1. Study with bed room adjoining.



Second Floor



Third Floor

Scheme # 2. Study rooms on the second floor, servants' rooms on the third floor in the east wing, dormitories for the men in the west wing of the third floor.

The living room is well lighted on three sides and gives a good view of the gardens on the South. The large fireplace is located in the South end of the room and doors lead to the hall on the north and to the billiard room on the east. This room is large enough to contain both a billiard and a pool table of the Collender type. Fixtures are built into the walls at the sides to receive the cues and other paraphernalia. Doors from this room lead to the large , spacious reception hall, which, upon entering from either some of the rooms or from the entrance vestibule, gives the effect of massive granduer. A large fireplace on the south side of this hall is located between two large French windows which lead out on to the living porch. Above the mantel of the fireplace is a large crest of the fraternity.

The stairs are placed at each side of the entrance and in going up they meet over the vestibule and lead to the staircase hall above . Other stairs are placed at the east and west entrances. The service stairs are placed at the east entrance.

The library is placed across the hall from the living room and is equipped with large built in cases for books. A large fireplace on the east side of the room gives it a cheerful appearance. A massive table in the center of the room and heavy lounging chairs comprise the furniture.

Next to the library and just across the hall from the billiardroom is the den, which is furnished with small tables for use in playing cards. A small fireplace is located in the end of this room and a door leads to the coat room next

the front entrance.

The strangers' room is for the reception of visitors who are not acquainted with all the men in the house and merely come for a short call on some one. By taking the stranger immediately to this room through the coat room, he does not mingle with the rest of the men in the house. This room, as well as the reception room, may be used as committee rooms for general college functions.

People arriving in carriages at times of entertainment will be shown into the reception room on the north east side of the house.

The office, placed directly adjoining the east entrance, is for the purpose of transacting chapter business, both on the part of the house treasurer and the commissary. All collectors, solicitors and agents will arrive at the porte cochere entrance and will be shown immediately to the office.

The music room, adjoining the the dining room, is the same size as the billiard room and also opens out to the living porch on the south. This room also leads to the reception hall. At times when large banquets are held in the chapter house and the dining room proves too small, the tables may be extended into the music room, thereby giving one fourth more seating capacity.

The dining room is well lighted on three sides, the principle light coming in on the east and south sides. A good view of the gardens on the south is obtained from this room.

A large fireplace in the south end of the room is balanced on the north end by a large built-in buffet. There

are seven regular tables with places for six men at each table. Small serving tables are placed at the walls on the sides and a cabinet table is built in under each of the two windows on the south side of the room.

Double swinging doors lead to the serving room, which communicates with the serving room below by means of two dumb waiters. In this serving room there is a sink for the purpose of washing glassware and fragile china, so that it is not necessary to send them to the basement to be washed. Cabinets for linen and china are provided in this room.

Stairs to the basement lead down directly outside the serving room, while those to the chapter room and bowling alleys lead down from the coat room on the right of the front entrance vestibule and directly inside the reception hall.

Large coat rooms, well lighted and connected with toilets, are placed on the first floor, as well as the telephone booth, which is in direct connection with the office and is also accessible from the hall.

The serving room in the basement, directly beneath the serving room adjoining the dining room, connects with the kitchen through double swinging doors.

The kitchen is entered from the rear of the house through a vestibule which connects with the entrance coming down from grade level. This same vestibule leads to the cold storage room and to the one for staple goods. These two store rooms are also in direct communication with the kitchen.

The kitchen equipment consists of a large coal range and a gas range, over both of which is placed a large hood

for carrying off gases and smoke. A large steam table is placed near the stove. A steam dish washer with a steel wire drop basket is placed next the entrance to the serving room. Work tables are placed in the center of the kitchen and along the west wall and under these are arranged compartments for flour, sugar, salt ,spices, cereals and cooking utensils. Above the work tables along the wall there are cabinets for dishes, stores,etc. The serving room adjoining the kitchen is provided with two large dumb waiters, both of which run to the first floor and one of which runs to the serving room on the third floor. In this room are also a slop sink, sink, work table and cabinets for china and glassware.

The servants' toilet room in the basement is placed between the stairway and the fuel room, beneath the east vestibule on the first floor.

The stairway leads down from the drive at grade level. Trunks and furniture may be brought down this stairway and placed on the trunk lift to be taken to the floors above. In this way the staircases and the walls enclosing them on the upper floors are not marred or scratched when trunks are taken up.

The heater room is equipped with a steam boiler for vaccumn system and there is an additional heater for supplying hot water for bath rooms and lavatories.

The fuel room is conveniently connected with the heater room by two doors and is supplied with coal through a chute which leads to the drive.

The laundry contains a gas heater and has stationary tubs. The clothes chute empties into a compartment which

adjoins the laundry. On the other side is located the drying room for the laundry which is equipped with stationary racks and steam drying pipes.

The chapter room is entered through two ante rooms and since these rooms are used only a short space of time each week, they are provided with proper ventilation, but all the lighting will be done by means of hidden lights in the ceiling. Built in benches are placed around the walls of the chapter room and a raised platform is placed at one end of the room for the presiding officer.

The bowling alleys are entered through an ante room, placed there to serve as a muffler to the noises coming up from the alleys and preventing them from passing to the living rooms. There are three alleys of the Collender type and they are equipped with all necessary appliances. Seats are built along the east wall for spectators and at the north wall there are benches for the players. This room is well lighted on three sides and additional electric lamps are hung over the alleys.

The second floor is given up to the study and guest rooms. The study rooms are arranged en suite, having the bed room adjoining the study. There are thirteen rooms ensuite, with two men in each, three single rooms and two guest rooms with a bath room between them. All the other rooms are either connected directly with lavatories or have bowls in the bedroom. Bath and toilet rooms have been given ample space in both wings of the building and are well equipped with tubs, showers, urinals, closets and bowls. The bath rooms and toilet rooms have been separated from one another and are both well ventilated.

Linen closets and trunk rooms have been provided. It is desirable to have the trunk rooms near to the study rooms so that there will be no trouble in packing and unpacking. These trunk rooms are easily accessible from the trunk lift.

The stairs leading to the third floor are placed at the east and west end of the hall, being a continuation of those from below, but the central stairway does not run farther than the second floor, where it ends in a grand staircase hall.

The third floor contains study rooms ensuite in the west wing, a large ball room over the central portion of the house and the servants' quarters and retiring rooms off the ball room are located in the east wing.

There are four rooms en suite and two single rooms in the west wing, together with the linen closets, bath room, toilet room and trunk room.

In the east wing there are six servants' rooms and a sitting room, servants' bath, toilet, two retiring rooms with toilets, and a serving room which is connected with the kitchen by means of a dumb waiter.

The ball room is eighty one feet long and forty-one feet wide, with a musicians gallery in the middle of the north wall which is balanced by a large fireplace on the south side. There are two nooks on the west end and one on the east end of the ball room.

The ball room is spanned by heavy scisser trusses which carry the roof, the under side of which is decorated by long panels.

Large drop lamps hanging from the ceiling beams, with

wall lamps furnish the light in the ball room.

Finances.

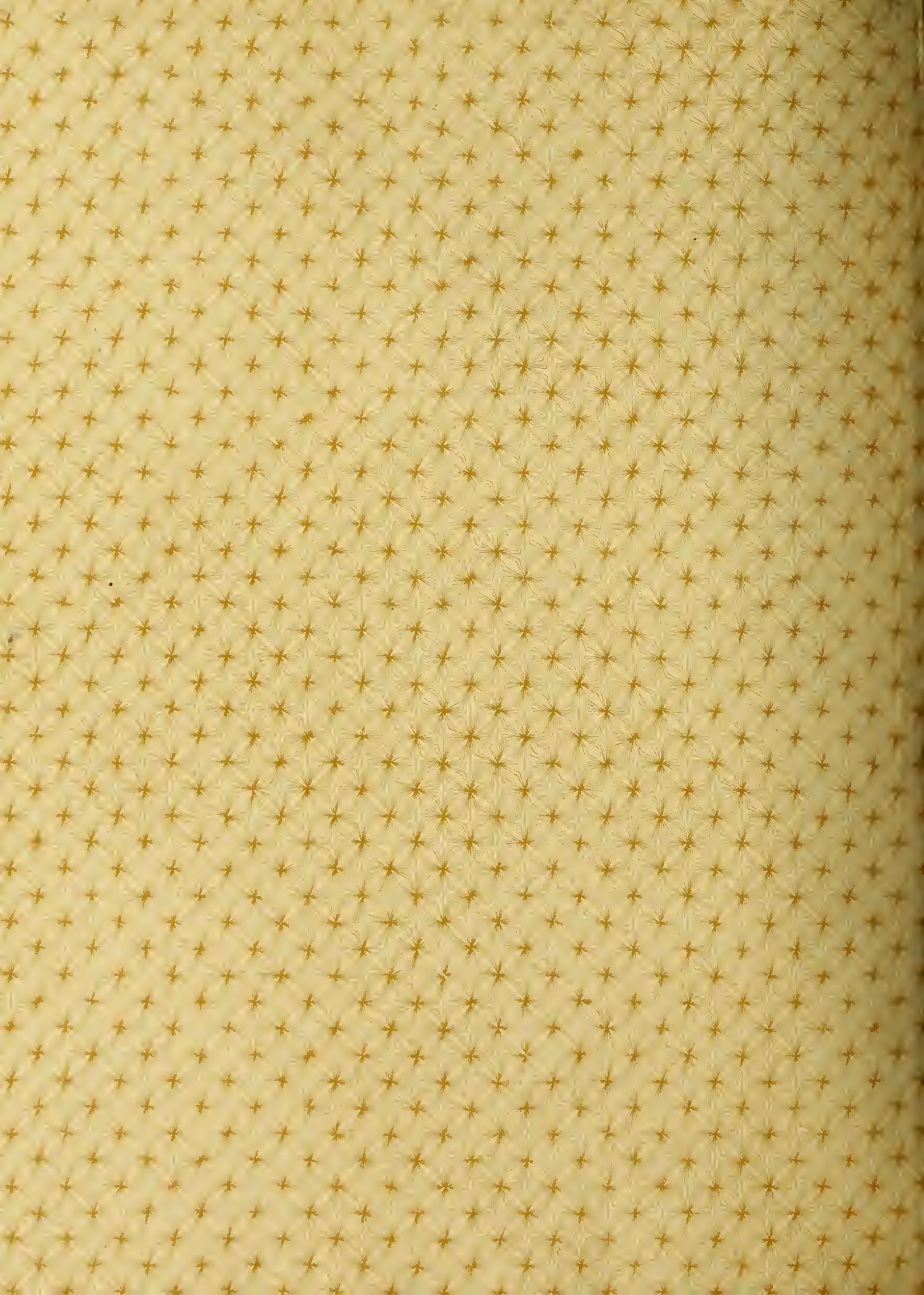
The cost of a house of this kind being \$ 100,000.00 and the chapter being a long established one, having perhaps 450 alumni from the chapter, we may safely say that we could get from them \$ 30,000.00 toward the erection of this building. This leaves \$ 70,000.00 to be carried as a mortgage, and having 39 men living in the house and taking in 12 new members each year the proposition could be financed as follows:-

Assets.

Rent from 39 men for 10 months @ \$12.00 per month	\$ 4680.00
Dues from 39 men @ \$ 50.00 per man	1950.00
Initiation fees; 12 men @ \$ 40.00 per man	480.00
	<u>\$ 7110.00</u>

Liabilities.

Interest on loan of \$ 70,000.00 at 6 %	\$ 4200.00
Taxes and insurance	510.00
Repairs	500.00
Fund for retiring the loan	1000.00
Servants. (For house. Those in commissary department not included)	900.00
	<u>\$ 7110.00</u>
Total Assets	\$ 7110.00
Total Liabilities	<u>\$ 7110.00</u> 0000.00





UNIVERSITY OF ILLINOIS-URBANA



3 0112 079093800